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INVENTIONS PATENTED.

NOTE-Patents are granted for 15 years. The term of years for which the fees have been paid, is given after the date of the patent.

No. 27,093. Sock for Boots and Shoes.

(Chausson.)

Thomas Barker, Todmooden. Eng., 2nd July, 1887; 5 years.

Claim.—The manufacture of boot and shoe socks, composed of a horsehair or cork sole with swansdown on the top, and a perforated material under it, substantially as herein described.

No. 27,094. Animal Poke. (Carcan.)

Abner W Bishop, Middleborough, Ohio, U.S., 2nd July, 1887; 5

Claim.—1st. The combination of the poke bow A, and the guard B hinged at one end thereof to one arm of the bow, and provided with a stem N at the opposite end, having a neck and collar to extend through the aperture P of the other arm of the bow of slotted plate O, and spring T, arranged substantially as described for the purpose set forth.

No. 27,095. Pen or Pencil Holder.

(Porte-plume ou crayon.)

Sarah J. Merrick, San Antonia, Texas, U.S., 2nd July, 1887; 5 years. Sarah J. Merrick, San Antonia, Texas, U.S., 2nd July, 1887; 5 years. Claim.—1st. In a pen and pencil holder, the combination, with the body A having clamps and clips, bent from said body portion in opposite directions, as shown, to form finger and pencil receptacles a, b, of the pen-holder B formed integral with the body portion, as shown and described. 2nd. The combination, with the body A having on its front portion, a series of circular openings a to receive the finger of the human hand, the rear portion of said body provided with a pencil-holder, of the pen-holder B secured to the lower circular opening, as shown and described.

No. 27,096. Cart. (Charrette.)

John S. Hulett, Napanee, Ont., 2nd July, 1887; 5 years.

Claim.—The combination of the box R, coil springs x, the spring bars B and D, and the frame G, substantially as and for the purpose hereinbefore set forth.

No. 27,097. Grain Separator.

(Séparateur des grains.)

Ohristian Kasper, Cleveland, Ohio, U.S., 2nd July, 1887; 5 years.

Ohristian Kasper, Cleveland, Ohio, U.S., 2nd July, 1887; 5 years.

Claim—lst. In a grain separator, the case A formed with enlargement a near its top, and a deflector a2; in combination with inclosed screens forming zig-zag grain channel B fixed rigidly in the sides of the case, the grate C located in the enlargement a and adjustable at its lower end to regulate the speed of the grain flowing over it, and the gate D operating between the grate and the deflector a2, substantially as set forth. 2nd. In a grain separator, the case A formed with enlargement a, deflector a2, ledge a3 and guides a5, in combination with inclosed screens forming a zig-zag grain channel B, a grate C occupying the enlargement a, and gate D located between the deflector a2 and grate C and narrower than said grate, substantially as set forth. 3rd. In a grain separator, the inclined grate comprising longitudinal hars angular in cross section of uniform size

throughout their length, set with an angle in the plane of the grate surface, and curved downward at their lower ends, as shown, and a cross-piece connecting said bars at their curved ends, substantially as set forth. 4th. In a grain separator, a grate comprising longitudinal parallel bars angular in cross section and bent at one end, as shown, in combination with serrated top plates and plain lower clamping-plates and packing, substantially as set forth. 5th. In a grain separator, the case A provided with a door as a^{ζ} , in combination with the zig-zag channel having removable pieces as b^{2} , substantially as set forth.

No. 27,098. Bird Perch Swing.

(Juchoir-balançoire d'oiseau.)

Elijah H. Russell, London, Ont., 2nd July, 1887; 5 years.

Efflan H. Russen, London, One., 2nd outy, 1001, 0 years.

Claim.—1st. A bird perch swing formed of coiled spring wire, substantially as shown and described and for the purposes specified.

2nd. A bird perch swing formed altogether or only partially of coiled spring wire, substantially as described. 3rd. A bird perch swing formed of coiled spring wire A, in combination with a hollow perch B, substantially as shown and described and for the purposes speci-

No. 27,099. Running Gear for Vehicles.

(Train de voiture.)

Robert McLaughlin, Ohawa, Ont., 2nd July, 1887; 5 years.

Robert McLaughlin, Ohawa, Ont., 2nd July, 1887; 5 years.

Claim.—1st. A clip-tie R having a lipped recess S made therein, in which recess is placed the rubber washer t, the side spring T, in combination with the metal washer q, the rubber or leather washer r and end spring V, the whole being held together by the pin u and the bolts v, substantially as described and specified. 2nd. A clip-tie having a recess formed therein, in which recess is placed a rubber washer which bears against the enlarged head of a pin, which passes through the side spring, a metal washer next to said side spring, a rubber or leather washer and through an end spring, in combination with bolts which pass through each end of said clip-tie, and through holes formed in said end spring and provided with nut, sor enlarged at their ends for the purpose of binding the springs together, substantially as described and specified.

No. 27,100. Appliance for Intensifying Combustion. (Appareil pour aviver la combustion.)

Reginald W. Hewett, Birmingham, Eng., 2nd July, 1887; 5 years.

Reginald W. Hewett, Birmingham, Eng., 2nd July, 1887; 5 years. Claim.—1st. The combination, with a furnace, of a section fan or other exhauster, located and operated so as to create a partial vacuum in the furnace for the purpose of drawing air through the fire, substantially as specified. 2nd. A suction fan or other exhauster connected to an air-tight chamber G to the smoke flues of the furnace, substantially as specified. 3nd. A suction fan or other exhauster connected to an air-tight chamber G to the smoke flues of the furnace, substantially as specified. 3nd. A suction fan or other exhauster connected to an air-tight chamber G, in combination with the tubes D arranged to connect the chamber G to the smoke flues of the furnace, and conveyed through the water tanks E, F, substantially as and for the purpose specified.

No. 27,101. Oil Stove. (Poêle à huile.)

August F. Zimmerling, J. A. Dutcher and P. E. Dutcher, Milwaukee, Wis., U.S., 2nd July, 1887; 5 years.

Wis., U.S., 2nd July, 1887; 5 years.

Claim.—1st. In an oil stove, the combination, with the body, of the stove A provided with combustion chamber B of a separate movable lamp, an oil reservoir and a supporting platform located beneath the respective ends of said combustion chamber, said reservoir being located in rear of said lamp upon the same plane therewith upon said platform, and adapted to counterbalance and support said lamp when drawn out from the stove, oil ducts or tubes E communicating between said reservoir and lamp, and chimneys J located in the combustion chamber B above said lamps, substantially as and for the purpose specified. 2nd. In an oil stove, the combination of the movable lamp C, cone K affixed thereto and adapted when raised to enter the base of the chimney supporting plate M located above said